## CONTENTS

(Note: Titles of chapters in Volumes 6-10 are arranged by category on pages 712-16.)

Neurosecretion: Beginnings and New Directions in	
NEUROPEPTIDE RESEARCH, Berta Scharrer	1
Perspectives on the Discovery of Central Monoaminergic Neurotransmission, Arvid Carlsson	19
COMPUTATIONAL MAPS IN THE BRAIN, Eric I. Knudsen, Sascha du Lac, and Steven D. Esterly	41
EXTRATHALAMIC MODULATION OF CORTICAL FUNCTION, Stephen L. Foote and John H. Morrison	67
VISUAL MOTION PROCESSING AND SENSORY-MOTOR INTEGRATION FOR SMOOTH PURSUIT EYE MOVEMENTS, S. G. Lisberger, E. J. Morris, and L. Tychsen	97
LONG-TERM POTENTIATION, T. J. Teyler and P. DiScenna	131
MOLECULAR BIOLOGY OF VISUAL PIGMENTS, Jeremy Nathans	163
MOLECULAR PROPERTIES OF THE MUSCARINIC ACETYLCHOLINE RECEPTOR, Neil M. Nathanson	195
An Integrated View of the Molecular Toxinology of Sodium Channel Gating in Excitable Cells, Gary Strichartz, Thomas Rando, and Ging Kuo Wang	237
NEURON SPECIFIC ENOLASE, A CLINICALLY USEFUL MARKER FOR NEURONS AND NEUROENDOCRINE CELLS, Paul J. Marangos and Donald E. Schmechel	269
THE NEUROBIOLOGY OF FEVER: THOUGHTS ON RECENT DEVELOPMENTS, K. E. Cooper	297
The Organization and Function of the Vomeronasal System, $M.$ Halpern	325
VISUAL PROCESSING IN MONKEY EXTRASTRIATE CORTEX, John H. R. Maunsell and William T. Newsome	363
DEVELOPMENTAL REGULATION OF NICOTINIC ACETYLCHOLINE RECEPTORS, Stephen M. Schuetze and Lorna W. Role	403
(Continued)	1

## vi CONTENTS (Continued)

MOLECULAR MECHANISMS FOR MEMORY: SECOND-MESSENGER INDUCED MODIFICATIONS OF PROTEIN KINASES IN NERVE CELLS, James H. Schwartz and Steven M. Greenberg 459 THE ANALYSIS OF VISUAL MOTION: FROM COMPUTATIONAL THEORY TO NEURONAL MECHANISMS, Ellen C. Hildreth and Christof Koch 477 MOLECULAR GENETIC INSIGHTS INTO NEUROLOGIC DISEASES, Xandra O. Breakefield and Franca Cambi 535 GUSTATORY NEURAL PROCESSING IN THE HINDBRAIN, Joseph B. Travers, Susan P. Travers, and Ralph Norgren 595 CALCIUM ACTION IN SYNAPTIC TRANSMITTER RELEASE. George J. Augustine, Milton P. Charlton, and Stephen J Smith 633 INDEXES Subject Index 695 Cumulative Index of Contributing Authors, Volumes 6-10 710

712

Cumulative Index of Chapter Titles, Volumes 6-10

